

GEL Documentation Specifications:-

- System should have Image resolution >4 mega pixels for resolving closely spaced bands on a gel or blot.
- System should have 4.6 x 4.6 µm pixel size & >3.0 orders of linear dynamic range
- System should be completely automatic & user does not have to zoom, focus, adjust aperture or select light source.
- System should be modular with different sample trays & flexible to image a wide variety of applications, including nucleic acid.
- System should have UV, White light, & optional Blue light & Stain Free.
- System should have stain-Free capability for stain-free gels and blots.
- Sample trays should be customizable per user and recognized automatically.
- System should require only one emission filter to accommodate a large portfolio of detection methods: ethidium bromide, SYBR® Green, SYBR® Safe, SYBR® Gold, Gel Green, GelRed, Fast Blast™, SYPRO Ruby, Flamingo™, Oriole™, CY3, rhodamine, green fluorescent protein, Hoechst, Krypton, silver stain, copper stain, zinc stain, Coomassie Brilliant Blue, Coomassie Flour Orange, and other spectrally similar stains, labels, and dyes.
- Should have lens flat-fielding calibration for each sample tray to delivers image data that are always optimized and reproducible without imaging artifacts, providing superior image uniformity and quantitation
- **Software-**
- Software should have highest level of automation in hardware calibration, image optimization, capture, and analysis.
- Should have automated workflow recorded in a protocol file from image capture to results thus eliminates need for training.
- Should allow 100% repeatability of the workflow by any user and ensures optimized image data and analysis from a gel in a single uninterrupted, fast, and completely reproducible workflow.
- Should have automated image capture driven by a selected gel or blot application.
- Should have one-button acquisition from image capture to result.
- Should generate the publication ready images with one click export option.
- Should generates customizable reports.
- Should come with PC system with preloaded software and suitable UPS

SDS Page System:

- Mini Electrophoresis system with 7x8 cm gel size with capacity of 1-4 gels simultaneously.
- Should have integrated spacers with glass plates for ease of casting.
- Should be a modular system to support blotting and electro-elutions also in the same system.
- Should come all standard accessories like 10 well, 1.00 mm comb, 5 sets of glass plates –both spacer plates, and short plates.
- Should come with sample loading guide.

Trans Bolt Module (wet Blotting):

- Gel size 10 x 7.5 cm
- Buffer requirements:- 450 ml
- Capacity:- 2 mini gels
- Wire electrode should placed at 4cm apart to provide strong electrical field
- Should come with Color coded cassettes and electrodes to ensure proper orientation

- Should come with blue cooling unit to adsorb heat generated during rapid transfer
- Should be modular system

After Sales Service:

1. For providing after sales service, the vendor should have quick service support for IIT Kanpur with adequate service persons, spares & all required accessories.
2. Single point of contact for support: Vendor has to provide details of single point of contact viz. Designation, address, and email address, telephone/mobile no. Escalation matrix for support should also be provided with full details.

Kindly send your offer (original, signed in sealed envelope) for the above items mentioning the following:

1. All quotation must reach undersigned by **16th August, 2017, 5 P. M.**
2. Validity of quotation should be at least for 60 days.
3. Cost of the item with technical specification in detail along with warranty and guarantee period.
4. Educational discount applicable, considering end use for research and teaching.
5. Prices should be quoted on the basis of delivery to IIT Kanpur.

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